

operation of processing test facilities as activities which have some potential for significant environmental impacts during exploration. However, the research has revealed that only the following limited effects are expected to have potential for significant adverse environmental impact.

(2) The programmatic EIS's documents three at-sea effects of deep seabed mining which cumulatively during commercial recovery have the potential for significant effect. These three effects also occur during mining system tests that may be conducted under a license, but are expected to be insignificant. These include the following:

(i) *Destruction of benthos in and near the collector track.* Present information reflects that the impact from this effect during mining tests under exploration licenses will be extremely small.

(ii) *Blanketing of benthic fauna and dilution of food supply away from mine site subareas.* The settling of fine sediments disturbed by tests under a license of scale-model mining systems which simulate commercial recovery could adversely affect benthic fauna by blanketing, dilution of their food supply, or both. Because of the anticipated slow settling rate of the sediments, the affected area could be quite large. However, research results are insufficient to conclude that this will indeed be a problem.

(iii) *Surface plume effect on fish larvae.* The impact of demonstration-scale mining tests during exploration is expected to be insignificant.

(3) If processing facilities in the United States are planned to be used for testing during exploration, NOAA also will assess their impacts in the site-specific EIS developed for each license.

(c) *NOAA approach.* In making determinations on significant adverse environmental effects, the Administrator will draw on the above conclusions and other findings in NOAA's programmatic environmental statement and site-specific statements issued in accordance with the Act. He will issue licenses with terms, conditions and restrictions containing, as appropriate, environmental protection or mitigation requirements (pursuant to § 970.518) and monitoring requirements

(pursuant to § 970.522). The focus of NOAA's environmental efforts will be on environmental research and on monitoring during mining tests to acquire more information on the environmental effects of deep seabed mining. If these efforts reveal that modification is required to protect the quality of the environment, NOAA then may modify terms, conditions and restrictions pursuant to § 970.512.

§ 970.702 Monitoring and mitigation of environmental effects.

(a) *Monitoring.* If an application is determined to be otherwise acceptable, the Administrator will specify an environmental monitoring plan as part of the terms, conditions and restrictions developed for each license. The plan will be based on the monitoring plan proposed by the applicant and reviewed by NOAA for completeness, accuracy and statistical reliability. This monitoring strategy will be devised to insure that the exploration activities do not deviate significantly from the approved exploration plan and to determine if the assessment of the plan's acceptability was sound. The monitoring plan, among other things, will include monitoring environmental parameters relating to verification of NOAA's findings concerning potential impacts, but relating mainly to the three unresolved concerns with the potential for significant environmental effect, as identified in § 970.701(b)(2). NOAA has developed a technical guidance document, which includes parameters pertaining to the upper and lower water column and operational aspects, which document will provide assistance in developing monitoring plans in consultation with applicants.

(b) *Mitigation.* Monitoring and continued research may develop information on future needs for mitigating environmental effects. If such needs are identified, terms, conditions and restrictions can be modified appropriately.

Subpart H—Safety of Life and Property at Sea

§ 970.800 General.

The Act contains requirements, in the context of several decisions, that relate to assuring the safety of life and

property at sea. For instance, before the Administrator may issue a license, section 105(a)(5) of the Act requires that he find that the proposed exploration will not pose an inordinate threat to the safety of life and property at sea. Also, under section 112(a) of the Act the Coast Guard, in consultation with NOAA, must require in any license or permit issued under the Act, in conformity with principles of international law, that vessels documented in the United States and used in activities authorized under the license comply with conditions regarding the design, construction, alteration, repair, equipment, operation, manning and maintenance relating to vessel and crew safety and the safety of life and property at sea. In addition, under section 105(c)(1)(B) of the Act, the Administrator may modify terms, conditions and restrictions for a license if required to promote the safety of life and property at sea.

[46 FR 45909, Sept. 15, 1981]

§ 970.801 Criteria for safety of life and property at sea.

Response to the safety at sea requirements in essence will involve vessel inspection requirements. These inspection requirements may be identified by reference to present laws and regulations. The primary inspection statutes pertaining to United States flag vessels are: 46 U.S.C. 86 (Loadlines); 46 U.S.C. 395 (Inspection of seagoing barges over 100 gross tons); 46 U.S.C. 367 (Inspection of sea-going motor vessels over 300 gross tons); and 46 U.S.C. 404 (Inspection of vessels above 15 gross tons carrying freight for hire). All United States flag vessels will be required to meet existing regulatory requirements applicable to such vessels. This includes the requirement for a current valid Coast Guard Certificate of Inspection, as specified in § 970.205. Being United States flag, these vessels will be under United States jurisdiction on the high seas and subject to domestic enforcement procedures. With respect to foreign flag vessels, the SOLAS 74 or SOLAS 60 certificate requirements or alternative IACS requirements, as specified in § 970.205, apply.

[46 FR 45909, Sept. 15, 1981]

Subpart I—Miscellaneous

§ 970.900 Other applicable regulations.

The regulations in subparts H, I and J of 15 CFR part 971 are consolidated regulations and are applicable both to licenses under this part and to permits under 15 CFR part 971. The regulations in subparts H, I and J of part 971 govern records to be maintained and information to be submitted by licensees and permittees, public disclosure of documents received by NOAA, relinquishment and surrender of licenses and permits, amendment of regulations, competition of time, uniform hearing procedures, and enforcement under the Act.

[54 FR 548, Jan. 6, 1989]

Subparts J–W [Reserved]

Subpart X—Pre-enactment Exploration

§ 970.2401 Definitions.

(a) *Engage in exploration* means:

- (1) To cause or authorize exploration to occur, including but not limited to a person's actions as a sponsor, principal, or purchaser of exploration services; or
- (2) To conduct exploration on behalf of a person described in paragraph (a)(1) of this section.

(b) [Reserved]

[45 FR 76662, Nov. 20, 1980, as amended at 47 FR 5966, Feb. 9, 1982]

§ 970.2402 Notice of pre-enactment exploration.

(a) *General.* NOAA encourages any United States citizen who engaged in exploration for deep seabed hard mineral resources before June 28, 1980, to file not later than February 1, 1981, a written notice with the Administrator, in care of: The Director, Office of Ocean Minerals and Energy, National Oceanic and Atmospheric Administration, Department of Commerce, Page Building 1, Suite 410, 2001 Wisconsin Avenue, NW., Washington, DC 20235. Such notice shall not constitute an application for a license or permit and shall not confer or confirm any priority of right to any site.